

2011 WSU Variety Testing Soft White Winter Wheat Trial Summary

Precipitation Zone <12"

Variety Name (Club <i>Italicized</i>)	Yield (Bu/A)						Test Weight (Lbs/A)						Protein (%)								
	Connell	Harrington	Horse Heaven	Lind	Ritzville	St. Andrews	Average	Connell	Harrington	Horse Heaven	Lind	Ritzville	St. Andrews	Average	Connell	Harrington	Horse Heaven	Lind	Ritzville	St. Andrews	Average
Skiles	81	71	70	49	78	73	70	61.8	61.4	61.1	60.8	60.6	62.0	61.3	11.2	11.0	8.5	13.8	10.7	10.5	10.9
ARS970161-3L	76	69	71	52	78	59	68	62.8	62.4	61.6	63.1	61.2	62.9	62.3	11.9	11.7	9.9	12.3	10.9	9.2	11.0
<i>Bruehl</i>	73	69	68	53	79	68	68	59.6	58.9	59.1	61.0	58.2	58.9	59.3	11.2	10.6	7.9	12.0	9.1	9.0	10.0
WA 8092	70	59	64	47	81	80	67	60.6	60.8	60.9	61.7	59.3	61.2	60.7	11.7	11.0	10.2	12.6	10.1	10.4	11.0
BZ6W02-616	73	65	69	38	92	61	67	62.6	62.6	62.6	62.4	61.2	63.1	62.4	11.4	11.6	9.2	13.2	9.8	9.9	10.9
Madsen/Rod	75	67	63	44	79	72	67	61.1	61.1	60.1	61.1	59.5	61.3	60.7	12.2	11.0	8.2	11.7	10.2	10.1	10.6
OR2070385	80	66	69	44	80	64	67	60.7	60.9	59.6	61.0	59.8	61.1	60.5	11.7	11.4	9.0	12.1	8.5	9.1	10.3
WA 8116	65	65	71	44	83	74	67	61.7	61.5	61.1	61.7	60.9	62.2	61.5	10.8	10.9	8.6	12.1	8.6	9.2	10.0
Eltan/Tubbs 06	62	62	65	47	83	81	67	61.0	60.8	60.8	61.5	60.0	61.1	60.9	11.6	10.3	8.7	11.3	8.5	9.0	9.9
ORCF-102	71	74	67	43	77	63	66	61.8	61.5	61.2	61.4	60.9	61.5	61.4	11.5	11.1	9.6	11.9	10.8	10.0	10.8
Rod	70	68	62	45	85	68	66	60.6	60.0	60.2	61.3	59.8	61.3	60.5	10.4	11.4	9.1	12.1	8.9	10.0	10.3
WA 8143	64	66	65	48	83	70	66	60.6	61.2	61.4	62.1	60.3	61.0	61.1	11.5	10.9	9.3	11.7	9.6	8.3	10.2
<i>Chukar</i>	68	71	71	49	76	61	66	60.7	60.5	59.6	61.3	58.3	60.3	60.1	11.3	10.2	9.1	11.2	10.1	8.9	10.1
Xerpha	56	64	69	53	88	68	66	61.4	61.6	60.9	61.5	60.8	61.4	61.2	10.3	10.4	8.3	11.7	9.2	9.5	9.9
<i>Coda</i>	73	63	66	50	77	62	65	62.5	63.0	61.5	62.7	62.6	62.4	62.5	12.5	11.2	8.5	11.7	9.2	9.1	10.4
Eltan	56	61	62	48	77	82	64	61.1	61.3	61.3	62.0	58.2	61.3	60.8	12.2	11.2	8.9	11.4	11.5	8.8	10.7
Legion	72	60	68	51	73	59	64	60.7	60.2	59.8	60.5	57.1	60.1	59.7	12.2	11.1	8.9	11.5	11.2	9.4	10.7
ARS970075-3C	73	69	67	45	75	54	64	62.6	62.0	60.8	61.7	60.8	61.8	61.6	10.8	12.3	9.2	11.9	9.3	9.1	10.4
ARS970163-4C	66	60	66	45	76	67	64	61.2	62.0	60.9	62.0	59.7	62.1	61.3	11.1	11.3	8.7	11.7	9.7	9.7	10.4
WA 8136	69	62	61	50	79	65	64	60.4	60.3	59.2	60.4	58.8	61.3	60.1	10.6	10.6	9.4	12.1	9.3	10.0	10.4
Brundage 96	70	63	65	44	76	64	64	61.4	61.0	60.6	61.0	60.3	61.5	61.0	10.6	11.1	10.0	11.7	8.2	10.5	10.3
Finch	58	67	66	47	81	63	64	62.0	60.9	62.4	62.2	61.9	62.4	62.0	11.8	11.9	8.8	11.1	8.8	8.7	10.2
ARS960277L (ARS-Amber)	61	65	70	45	83	63	64	59.2	61.0	60.1	61.4	59.6	61.3	60.4	11.2	10.5	8.5	11.4	9.3	9.2	10.0
ARS98X402-1C	70	64	65	45	80	60	64	61.2	61.2	60.5	61.8	60.4	62.2	61.2	10.2	9.8	8.5	11.2	9.2	9.9	9.8
WA 8134	74	65	59	39	81	59	63	61.7	60.8	60.9	61.4	59.0	62.1	61.0	11.1	10.2	9.3	12.5	11.0	10.3	10.8
SY Ovation	73	63	62	30	79	70	63	61.6	61.7	61.7	61.7	61.2	61.9	61.6	11.3	10.0	9.1	13.2	9.5	11.0	10.7
<i>Cara</i>	70	68	61	44	83	50	63	60.7	60.3	60.5	61.1	58.7	60.3	60.2	11.8	10.6	9.6	11.6	9.7	9.5	10.5
96-16702A	71	61	61	39	73	70	63	62.9	62.1	61.8	62.6	60.7	62.4	62.1	11.2	11.0	8.8	12.5	9.3	9.7	10.4
Rod/Tubbs 06	62	58	64	43	81	68	63	60.8	60.6	60.2	60.6	59.5	60.9	60.4	11.4	11.3	9.5	11.7	9.5	9.0	10.4
Masami	65	58	65	44	75	69	63	61.2	60.6	60.3	60.4	58.6	60.8	60.3	10.9	10.3	9.5	11.6	10.5	8.9	10.3
OR2071628	70	66	67	43	78	53	63	61.7	60.7	60.2	61.5	59.8	60.4	60.7	10.6	10.8	8.9	11.6	9.4	9.6	10.2
ARS97230-6C	70	56	69	43	74	68	63	61.0	61.0	61.1	62.1	58.1	61.8	60.8	11.7	10.7	7.4	11.0	10.8	8.9	10.1
<i>Cara +25%</i>	72	67	68	48	76	49	63	61.1	60.4	59.5	61.3	58.9	60.0	60.2	11.6	10.7	8.8	10.9	7.6	9.1	9.8
<i>Chukar +25%</i>	62	72	69	46	73	56	63	60.5	60.4	59.2	61.3	58.6	60.9	60.2	11.2	9.3	7.8	11.8	9.8	9.1	9.8
WA 8135	62	57	68	50	79	57	62	62.2	62.2	62.3	62.2	60.9	62.3	62.0	12.1	12.0	9.0	11.6	11.0	9.7	10.9
IDO663	67	57	67	40	76	63	62	61.7	61.2	60.8	61.5	60.2	61.6	61.2	10.5	11.0	9.1	11.6	9.7	10.3	10.4
Tubbs 06	56	55	68	48	80	65	62	60.5	60.5	59.9	59.9	59.6	60.2	60.1	12.1	11.5	9.7	11.1	9.7	8.4	10.4
OR2040726 (Mary)	72	63	56	40	84	56	62	62.5	61.2	60.4	60.8	60.7	61.5	61.2	10.7	10.2	9.9	11.8	9.2	9.8	10.2
Goetze/Skiles	73	63	62	44	72	52	61	60.8	60.9	61.5	61.1	60.6	61.1	61.0	12.0	11.5	9.8	13.0	11.0	9.6	11.1
WA 8114	67	60	61	37	81	63	61	62.3	62.0	61.7	61.4	60.6	63.4	61.9	10.6	11.3	9.6	12.3	9.6	10.3	10.6
Rod/WB-528	69	58	63	43	83	52	61	62.2	61.5	61.1	61.8	60.5	61.3	61.4	11.4	11.2	9.7	12.5	9.5	9.3	10.6
Madsen	72	68	57	44	71	52	61	61.8	61.0	61.0	61.7	61.0	61.0	61.2	12.1	11.1	8.8	12.0	9.3	10.2	10.6
03PN107#3	65	71	66	30	76	60	61	61.0	61.4	60.6	60.2	59.9	61.8	60.8	11.1	11.5	8.6	11.6	9.0	10.2	10.3
UICF-Brundage	68	65	59	41	77	55	61	61.5	60.6	60.2	60.6	60.0	61.1	60.7	10.3	10.4	10.0	11.4	8.6	9.9	10.1
WA 8142	73	68	62	35	72	48	60	62.3	61.8	61.6	61.5	61.7	62.1	61.8	11.6	11.9	10.6	14.3	9.4	10.6	11.4
Stephens	69	57	59	41	73	59	60	61.7	60.8	60.1	61.1	60.4	60.4	60.7	12.5	11.3	10.1	11.8	9.8	9.5	10.9
WB-528	67	63	64	39	75	50	60	63.0	62.5	61.4	62.5	61.0	62.7	62.2	10.5	11.1	9.3	12.9	8.5	11.0	10.5
Bruneau	64	64	65	36	70	61	60	61.8	61.3	60.8	61.8	60.3	62.2	61.4	10.7	10.9	9.0	12.7	8.2	10.5	10.3
AP Badger	58	62	65	44	68	63	60	61.5	60.1	59.3	60.9	58.8	59.6	60.0	10.9	11.2	9.2	11.6	8.9	9.7	10.3
AP Legacy	56	54	68	39	78	62	60	60.5	61.3	61.4	61.0	60.2	60.8	60.9	10.6	10.6	9.0	11.2	9.7	9.1	10.0
WA 8144	59	61	59	48	70	57	59	60.9	62.1	61.6	62.0	59.5	61.5	61.3	12.4	11.1	9.8	12.5	10.6	10.3	11.1
AP 700 CL	69	58	55	38	75	57	59	61.8	61.0	60.6	61.4	60.9	60.8	61.1	11.4	11.7	9.3	12.6	9.2	9.5	10.6
WA 8094	53	56	65	43	74	63	59	61.9	62.1	61.8	62.1	60.3	62.3	61.7	11.9	9.9	8.6	11.9	10.2	9.2	10.3
ID00-475-2DH	51	55	61	40	73	67	58	62.9	62.5	62.7	61.6	61.3	62.9	62.3	12.1	11.8	9.7	12.5	11.1	10.0	11.2
ORCF-103	52	55	66	42	75	59	58	61.8	61.0	61.1	61.7	59.8	60.4	61.0	11.6	11.3	9.0	12.5	10.2	9.4	10.7
Bitterroot	62	63	60	39	66	57	58	61.6	62.2	61.3	62.1	61.4	62.4	61.8	10.4	11.1	9.0	12.8	8.3	11.0	10.4
Sunrise	42	50	58	31	74	62	53	61.0	61.6	61.3	60.3	59.6	61.2	60.9	10.8	12.1	9.8	11.5	9.3	10.2	10.6
Lambert	50	46	57	30	69	56	51	61.9	61.6	60.5	60.3	59.8	61.1	60.9	11.7	11.8	9.4	11.7	10.8	10.0	10.9
WA 8145	61	56	54	29	73	24	49	61.2	61.0	61.0	61.2	60.8	60.8	61.0	11.4	11.5	9.4	13.4	9.5	11.4	11.1
NSA06-2153A	40	46	54	26	62	---	46	60.1	60.0	61.7	59.5	59.4	---	59.9	10.1	11.9	9.1	10.8	10.1	---	8.7
CV (%)	8	8	8	14	8	17	10	0.9	0.7	0.9	0.7	1.3	0.8	0.9	8.8	8.8	10.7	4.7	12.3	7.4	8.9
LSD (0.10)	10	9	10	11	11	20	5	1.0	0.8	1.0	0.8	1.5	1.0	0.4	1.9	1.9	1.9	1.1	2.3	1.4	0.7
Average	66	62	64	43	77	61	62	61.4	61.2	60.8	61.4	60.0	61.4	61.0	11.3	11.0	9.1	12.0	9.6	9.7	10.4
Highest	81	74	71	53	92	82	70	63.0	63.0	62.7	63.1	62.6	63.4	62.5	12.5	12.3	10.6	14.3	11.5		

2011 WSU Soft White Winter Wheat Trial Summary

Precipitation Zone <12" – Preliminary Data

1. Soft white winter wheat grain yield across six locations and 60 entries in the <12" precipitation zone averaged 62 bushels/acre, 12 bushels/acre higher than the 2010 average of 50 bushels/acre and 30 bushels/acre higher than the 2009 average of 32 bushels/acre. The CV for the average data was 10, lower than the 2010 CV that was 13. In general the trials had good fall establishment.
2. Yields among entries averaged across locations ranged from 46 to 70 bushels/acre and reflected the favorable precipitation and temperature though most of the growing season. Skiles was the highest yielding named variety averaged across locations. Average yield values within the 10% LSD range (5 bushels) of the highest yield are shown in bold and this included 15 of the 60 entries. Stripe rust significantly reduced yields in the 20-30% or more range for susceptible entries at Connell and Harrington, despite a fungicide application at each location. At the Horse Heaven and Ritzville sites there were two applications of fungicide that effectively controlled stripe rust. At Lind and St. Andrews no fungicides were applied but stripe rust was not a significant factor.
3. Test weight averaged 61.0 lb/bu across locations and entries and was higher than last year's 60.1 lb/bu average. Grain protein averaged 10.4% and was lower than last year's 11.4% value.